Physics/Geology Department
Geology 111 Lab

Spring 2009 Syllabus

- Identification of minerals and metallic minerals, and physical properties.
- The three groups of rocks:
    - Igneous rocks: plutonic and volcanic subgroups. Examples and identification.
    - Sedimentary rocks: Clastic and chemical/biochemical subgroups. Examples and identification.
    - Metamorphic rocks: Regional, contact, and cataclastic subgroups. Examples and identification.
- Topographic maps: topographic profile.
- Structural geology:
    - Folding, types of folds, strike and dip symbols and their application of geologic maps.
    - Faulting, types of faults, their symbols on geologic maps.
    - Importance of folds and faults as oil traps (especially in Louisiana).
- Exercises on: drainage systems and the V-rule.
    - Plunging anticlines and synclines.
    - Unconformities(Three types).
    - Domes and basins-how to read them by applying the strike and dip symbols.
    - Three types of faults on geologic maps.
    - Some geomorphologic features on maps.
- Grading Scale: 100-80 A 79-70 B 69-50 C 49-40 D 39-0 F
- Grades determined by : One mid-term exam , the final.
- Make-ups: None.
- Textbook: Lab: Exercises in Physical Geology by W.K. Hamblin and J.D. Howard

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- Also, please review the Academic Integrity Policy at http://www.mcneese.edu/integrity/
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